

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Regional Planning Process for New Reactors

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Transmission Issues

- Need for thorough studies – not “plug and play”
- Transmission lags demand and capacity growth
- Increased congestion on grid
- Transmission difficult to site
- Big question is “who pays?”

Interface Requirements

- 30+ units totaling over 40,000 MW
- Large units sizes – up to 1,600 MW
- Required offsite power requirements and coping times
- Impact on circuit breaker duty
- Other system impact issues

Planning Issues

- Combined effects of all plants on grid stability
- Lead time for transmission additions
- Impact of National Interest Electric Transmission Corridors
- Continue to address in NERC long-term reliability assessments